**⚠ Read First****⚠ Safety Information**

Understand and follow operating instructions carefully. Use the meter only as .















⚠ WARNING

- If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.
- Always use proper terminals, switch position, and range for measurements.
- To reduce the risk of fire or electric shock, do not use this product around explosive gas or in damp locations.
- Verify the Meter operation by measuring a known voltage. If in doubt, have the Meter serviced.
- Do not apply more than the rated voltage, as marked on Meter, between terminals or between any terminal and earth ground.
- To avoid false readings that can lead to electric shock and injury, replace the battery as soon as low battery indicator blinks.
- Avoid working alone so assistance can be rendered.
- Do not use the Tester if the Tester is not operating properly or if it is wet.
- Individual protective device must be used if hazardous live parts in the installation where the measurement is to be carried out could be accessible.
- Disconnect the test leads from the test points before changing the position of the function rotary switch.
- Never connect a source of voltage when the function rotary switch is not in voltage position.
- When using test leads or probes, keep your fingers behind the finger guards.
- Use caution with voltages above 30 Vac rms, 42 Vac peak, or 60 Vdc. These voltages pose a shock hazard.
- Remove test lead from Meter before opening the battery door or Meter case.
- DO NOT USE the test leads when the internal white insulation layer is exposed.




- DO NOT USE the test leads above maximum ratings of CAT. environment, voltage and current, that are indicated on the probe and the probe tip guard cap.
- DO NOT USE the test leads without the probe tip guard cap in CAT III and CAT IV environments.
- Probe assemblies to be used for MAINS measurements shall be RATED as appropriate for MEASUREMENT CATEGORY III or IV according to IEC 61010-031 and shall have a voltage RATING of at least the voltage of the circuit to be measured.
- Only replace the blown fuse with the proper rating as specified in this manual.
- Do not attempt a current measurement when the open voltage is above the fuse protection rating. Suspected open voltage can be checked with voltage function.
- Never attempt a voltage measurement with the test lead inserted into the A input terminal.
- Disconnect circuit power and discharge all high-voltage capacitors before testing resistance, continuity, diodes, or capacitance.

Symbols as marked on the Meter and Instruction manual

	Risk of electric shock
	See instruction manual
	DC measurement
	AC measurement
	Bluetooth
	Both direct and alternating current
	Equipment protected by double or reinforced insulation
	Low battery
	Fuse
	Earth
	Conforms to EU directives
	Application around and removal from hazardous live conductors is permitted
	Do not discard this product or throw away.
	Attention! Magnets might affect the correct functioning of cardiac pacemakers and implanted defibrillators. As a user of such medical devices, keep a sufficient distance to the magnet.

Unsafe Voltage

To alert you to the presence of a potentially hazardous voltage, when the Tester detects a voltage ≥ 30 V or a voltage overload (OL) in V, mV, AutoV, PV. The  symbol is displayed.

Maintenance

Do not attempt to repair this Meter. It contains no user serviceable parts. Repair or servicing should only be performed by qualified personnel.

Cleaning

Periodically wipe the case with a dry cloth and detergent. Do not use abrasives or solvents.

Making Basic Measurements

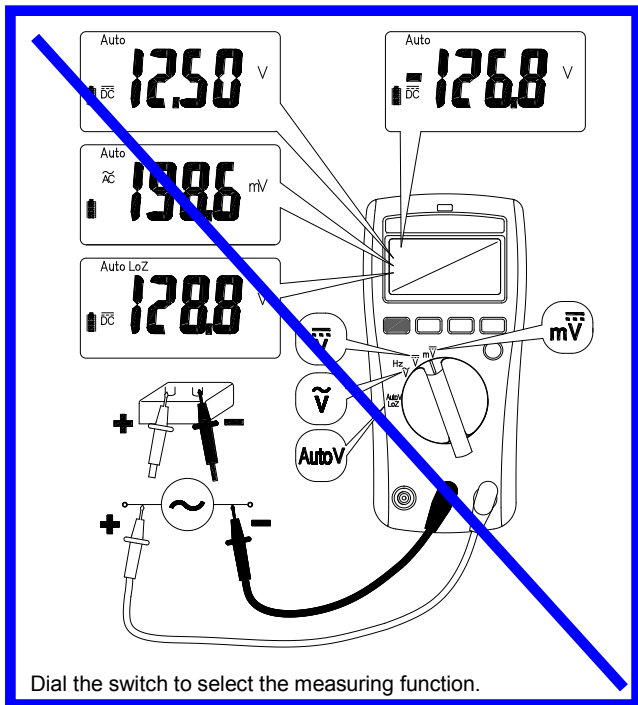
Preparation and Caution Before Measurement

⚠ **Observe the rules** of ⚠ *Warnings* and ⚠ *Cautions*.

⚠ CAUTION

When connecting the test leads to the DUT (Device Under Test) connect the common test leads before connecting the live test leads ; when removing the test leads, remove the live test leads before removing the common test leads.

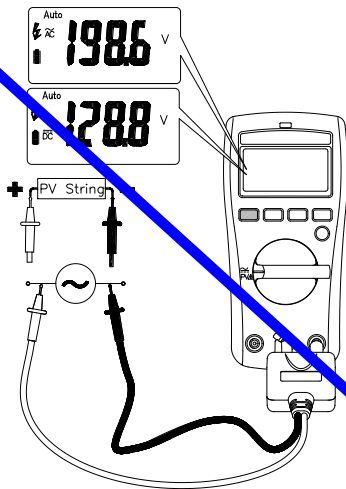
Measuring Voltage



⚠ CAUTION

Do not use the LoZ mode to measure voltages in circuits that could be damaged by this mode's low impedance.

Measuring PV Voltage



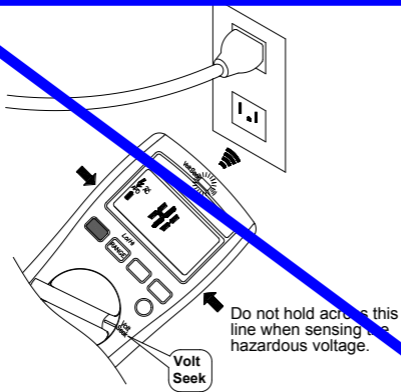
Dial the switch and press the Function button to select the measuring function.

⚠ CAUTION

This function is only available with the dedicated PV test probe.

Always select correct DC / AC mode to perform high voltage measurement. This meter will flash ⚡ symbol and the correct mode symbol (AC / DC) if the input voltage is different and dangerous.

Volt Seek



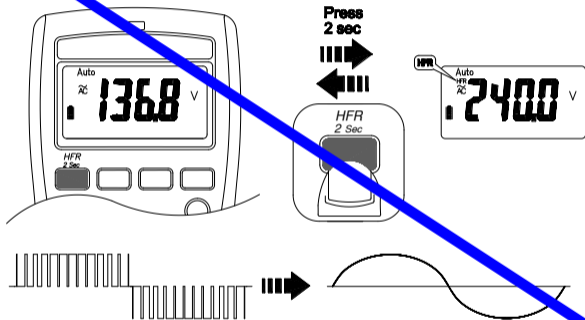
Dial the switch to select the measuring function.

⚠ Warning

The Volt Seek LED indicates the electric field. If the Volt Seek LED is not on, voltage could still be present.

High Frequency Rejection (HFR)

The High Frequency Rejection mode equip a low pass filter in the AC measurements. The cut-off frequency (-3dB point) of low pass filter is 800Hz.



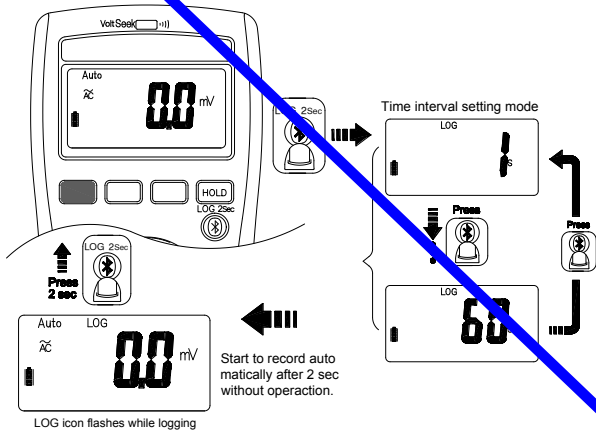
⚠ ⚠ Warning

The hazardous voltage may be present even if the LCD reading is very low in HFR mode. Verify the voltage again without HFR mode.

Data Logger

The meter can store up to 4000 data in memory.

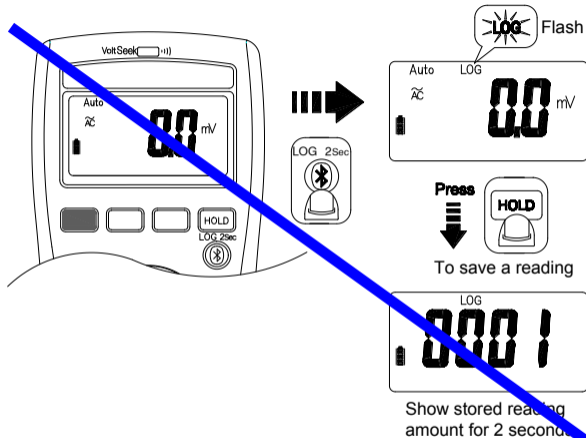
Press Bluetooth button for more than 2 seconds to activate Data logger mode. The meter will enter Time interval setting mode. Press Bluetooth button again to select time interval. The interval can be 1 second, 5 seconds, 10 seconds, 30 seconds, 60 seconds.



⚠ Caution

All stored data will be cleared next startup. Download the stored data by App first if needed.

Manual Saving Mode



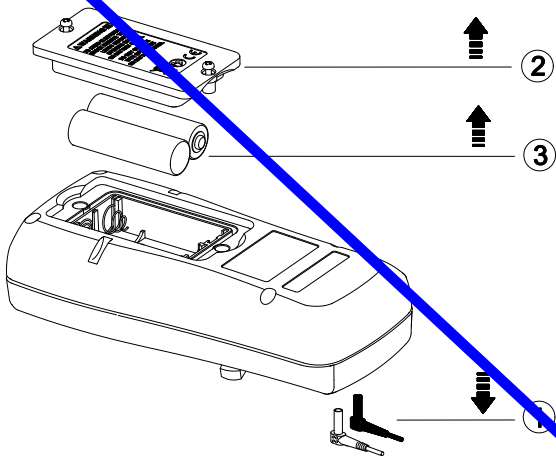
⚠ Caution

All stored data are saved until switching to data logger mode or executing the clear function.

Low Battery and Battery Replacement

Replace the battery as soon as the low battery indicator appears, to avoid false reading.

Refer to the following figure to replace the batteries



⚠️⚠️ CAUTION

Remove test leads from Meter before opening the battery cover or Meter case

CAT**Application field**

II	The circuits directly connected to Low-voltage installation.
III	The building installation.
IV	The source of the Low-voltage installation.